

# Ritesh Agarwal

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## Summary

A highly motivated and results-oriented professional with a proven track record of success in Software Development and Engineering. Seeking a challenging role where I can leverage my skills and experience of 15+ years in 'C' and 'Software Development Engineering' to contribute in a dynamic organization.

# Experience

Principal Software Development Engineer	Apr 2024 - Present
Zscaler	Pune, India
<ul style="list-style-type: none"><li>Collaborated with cross-functional teams to define project requirements and deliver multiple high-quality/impact customer-focused features, resulting in a measureable increase of Net Annual Recurring Revenue(NARR).</li><li>Expedited resolution of critical blocker issues across development, release and production (mainline) branches, maintaining continuous delivery pipelines and ensuring production stability.</li><li>Streamlined weekly reporting processes by gathering and summarizing team status, enhancing visibility into project health for senior management and cross-functional partners.</li><li>Spearheaded engineering initiatives to enhance database component reliability by reducing Recovery Point Objectives (RPO) and Recovery Time Objectives (RTO) through in-depth analysis and benchmarking of industry-standard backup and restore methods.</li></ul>	

## Skills

- C, PostgreSQL, Redis, FreeBSD, RAFT, Perl, Shell Scripting, Python, Gdb, Data Structures, Algorithms, Gemini/ChatGPT GenAI

Software Engineer	Jun 2020 - Oct 2022
Microsoft	Redmond, WA

- Developed and maintained software for [Product/Team].
- Contributed to the design and implementation of new features.
- Fixed bugs and improved the performance of existing code.

Education

Stanford University Sept 2016 - Jun 2020  
Master of Science in Computer Science Stanford, CA  
• GPA: 3.8/4.0  
• Relevant Coursework: Algorithms, Data Structures, Artificial Intelligence, Machine Learning

## Projects

Personal Website | HTML, CSS, JavaScript, React Oct 2023 - Present

- Developed a personal website to showcase my portfolio and skills.
- Implemented a responsive design to ensure optimal viewing on all devices.

## Skills

Languages: Python, Java, C++, JavaScript  
Frameworks: React, Node.js, Django, Flask  
Databases: MySQL, PostgreSQL, MongoDB  
Tools: Git, Docker, Kubernetes, Jenkins